

ITEM 564.20M STRUCTURAL STEEL REPAIRS AND MODIFICATIONS

DESCRIPTION

Under this item the CONTRACTOR shall make structural steel member repairs and modifications as shown on the plans or contract documents.

MATERIALS

Structural Steel: ASTM A36

Expansion Anchor Bolts: The requirements of NYSDOT Standard Specifications, Subsection 567-2.01A3, latest revision, shall apply.

Mild steel arc welding electrodes: ANSI/AWS A5.1

Low Hydrogen Electrodes: E7015, E7016, or E7018

Shop Primer: Structural steel to be shop-primed per NYSDOT Standard Specifications, Section 572, latest revision.

CONSTRUCTION DETAILS

New steel shall be shop prime painted with field touch-up.

All welding shall conform to the requirements of the Bridge Welding Code, ANSI/AASHTO/AWS D1.5-88. Welder shall be prequalified in accordance with the Bridge Welding Code. Evidence of qualifications shall be submitted to the ENGINEER for approval.

Field welds shall fuse or penetrate well into the surface of metal to insure a sound weld.

Fabricate and erect structural steel in compliance with the requirements of NYSDOT Standard Specifications, Section 715-01, Structural Steel, latest revision.

Grind cut edges of angles smooth as directed by the ENGINEER.

Field paint by hand brushing new steel and areas of existing steel which were cleaned of old paint with one coat of prime paint per manufacturers directions.

METHOD OF MEASUREMENT

The quantity to be paid for will be the actual number of kilograms of structural steel installed in accordance with the Plans.

BASIS OF PAYMENT

The price bid per kilogram of structural steel shall include the cost of furnishing all labor, materials, and equipment necessary to complete the work.

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Payment will be made under:

<u>Item No.</u>	<u>Item</u>	<u>Pay Unit</u>
564.20M	Structural Steel Repairs and modifications	KG